

## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
14 October 2004 (14.10.2004)

PCT

(10) International Publication Number  
**WO 2004/087545 A1**

(51) International Patent Classification<sup>7</sup>: **B65G 53/56**

(21) International Application Number:  
PCT/NO2004/000096

(22) International Filing Date: 1 April 2004 (01.04.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
20031504 2 April 2003 (02.04.2003) NO

(71) Applicant and

(72) Inventor: HAUG, Rune [NO/NO]; N-7900 Rörvik (NO).

(74) Agent: CURO AS; Box 38, N-7231 Lundamo (NO).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,

GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

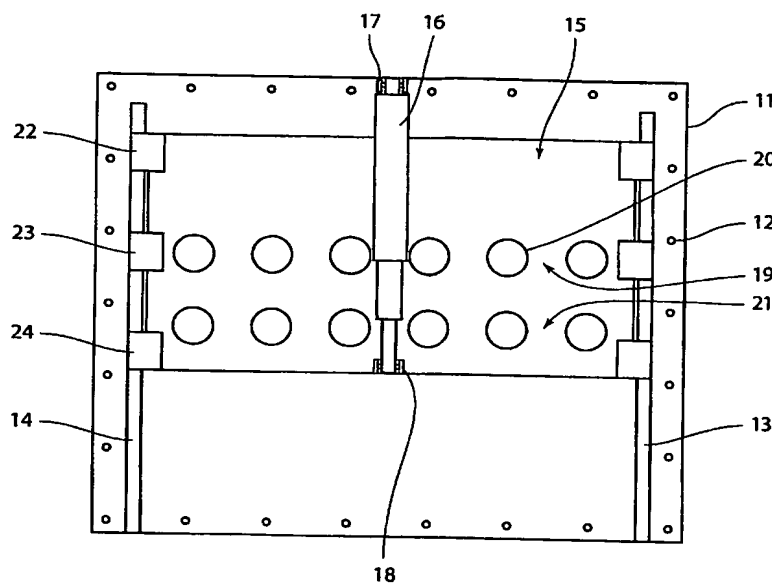
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

## Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: MULTIPLE VALVE



(57) Abstract: A multiple valve for controlling the distribution of a plurality of pumpable materials. It comprises a slide (15) with a plurality of outlet openings (25) in a row. Each outlet opening (25) having a protruding tubular connection element (27) downstream on the slide (15). The slide (15) is arranged on a carrier comprising a stationary disk (11) having at least two parallel rows (19, 21) of openings (20) corresponding to the row of outlet openings (25) of the slide (15). The reverse, upstream side of multiple valve carrier (11) is provided with a tubular inlet element (26) connected to each opening (20). Each row of openings is arranged perpendicularly to the direction of movement of the slide (15).